

REMARKS**I. Status of the Claims**

In this Amendment, claims 1, 6 and 23 have been amended and new claim 24 has been added. In the previous Restriction Requirement, claims 3, 10-20 and 22 have been withdrawn. Thus, upon entry of this Amendment, claims 1, 2, 9, 21, 23 and 24 will be under consideration. These changes are believed to introduce no new matter. Entry and consideration of this Amendment are respectfully requested.

II. Objections to the Drawings

The Examiner has objected to the Drawings as allegedly failing to comply with 37 CFR 1.84(p)(5) for including reference numbers not mentioned in the Specification. In particular, these reference numbers are 114 in Figure 24 and 115 in Figure 25. Applicant has amended the drawings according to the Examiner's suggestions. Withdrawal of these objections is respectfully requested.

III. Objections to the Claims

Claim 6 is objected to for alleged informalities. In particular, the Examiner asserts that the term "the convention element", as recited in line 16, lacks antecedent basis. Applicant has amended this term to --the conversion element--. Accordingly, withdrawal of these rejections is respectfully requested.

IV. Rejections under 35 U.S.C. § 102

Claims 1, 4-9, 21, and 23 are rejected under 35 U.S.C. §102(b) as being allegedly anticipated by U.S. Patent No. 5,841,180 to Kobayashi et al. ("Kobayashi"). Applicant requests reconsideration for at least the following reasons.

The independent claims recite refresh features involving application of a first bias to a plurality of signal interconnections for refreshing a plurality of conversion elements of each row. In addition, these claims recite reset features involving application of a second bias to a

plurality of signal interconnections. Kobayashi fails to disclose these features. Accordingly, Applicant requests that this rejection be withdrawn.

CONCLUSION

Based on the foregoing amendments and remarks, Applicant respectfully requests reconsideration and withdrawal of the rejection of claims and allowance of this application.

AUTHORIZATION

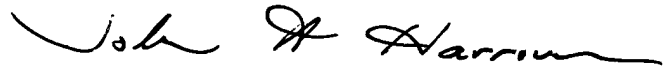
The Commissioner is hereby authorized to charge any additional fees which may be required for consideration of this Amendment to Deposit Account No. 13-4500, Order No. 1232-5214. A DUPLICATE OF THIS DOCUMENT IS ATTACHED.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No 13-4500, Order No. 1232-5214. A DUPLICATE OF THIS DOCUMENT IS ATTACHED.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

Dated: 11/23/05

By:



John A. Harroun
Registration No. 46,339
(202) 857-7887 Telephone
(202) 857-7929 Facsimile

Correspondence Address:

MORGAN & FINNEGAN, L.L.P.
3 World Financial Center
New York, NY 10281-2101

Amendments to the Drawings:

The attached sheets of drawings include changes to Figs. 24 and 25. These changes are summarized below:

In Fig. 24, reference number 114 is removed.

In Fig. 25, reference number 115 is removed.

Attachment: two (2) Replacement Sheets